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United States Department of Agriculture,

WASHINGTON, D. C., *April 30, 1919.*

MONTHLY LIST OF PUBLICATIONS.

[APRIL, 1919.]

READ CAREFULLY BEFORE ORDERING.

✉ Send no remittances to the U. S. Department of Agriculture.

A copy of any of the publications listed herein, except those otherwise noted, may be obtained free upon application to the Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply is exhausted, publications can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

✉ Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

NOTE.—The department's supply of the current numbers of Farmers' Bulletins is ordinarily sufficient to make it possible to send them free to all applicants. They are also for sale at 5 cents per copy.

A Simple Steam Sterilizer for Farm Dairy Utensils. By S. Henry Ayers and George B. Taylor, Dairy Division. Pp. 16, il. Contribution from the Bureau of Animal Industry. (Farmers' Bulletin 748, Revised.)

For general distribution.

The Woolly White Fly in Florida Citrus Groves. By W. W. Yothers, Entomological Assistant, Tropical and Subtropical Fruit Insect Investigations. Pp. 14, figs. 8. Contribution from the Bureau of Entomology. (Farmers' Bulletin 1011.)

Describes the life history and habits of this insect and suggests methods for its control.

Strawberry Culture: South Atlantic and Gulf Coast Regions. By George M. Darrow, Scientific Assistant, Office of Horticultural and Pomological Investigations. Pp. 40, figs. 35. Contribution from the Bureau of Plant Industry. (Farmers' Bulletin 1026.)

For distribution in the coastal plain region in the states of Texas, Louisiana, Mississippi, Alabama, Georgia, Florida, North and South Carolina, Virginia, and Arkansas.

Strawberry Culture: Western United States. By George M. Darrow, Scientific Assistant, Office of Horticultural and Pomological Investigations. Pp. 29, figs. 16. Contribution from the Bureau of Plant Industry. (Farmers' Bulletin 1027.)

This bulletin applies to that part of the United States in which ordinary farm crops are grown largely under irrigation.

Strawberry Culture: Eastern United States. By George M. Darrow, Scientific Assistant, Office of Horticultural and Pomological Investigations. 1p. 50, figs. 18. Contribution from the Bureau of Plant Industry. (Farmers' Bulletin 1028.)

Contains instructions for planting, cultivating, fertilizing, harvesting and marketing, and methods of canning and preserving the fruit.

Conserving Corn from Weevils in the Gulf Coast States. By E. A. Back, Entomologist in Charge of Stored-Product Insect Investigations. Pp. 36, figs. 21. Contribution from the Bureau of Entomology. (Farmers' Bulletin 1029.)

For distribution among corn growers in the southern states especially.

Feeding Horses. By G. A. Bell and J. O. Williams, Animal Husbandry Division. Pp. 24. Contribution from the Bureau of Animal Industry. (Farmers' Bulletin 1030.)

This bulletin explains the computation of rations for horses, suggests certain feed combinations which approximately meet the needs of horses under differing conditions, and reviews such factors of feeding as tend to make the horse more efficient.

Fig Growing in the South Atlantic and Gulf States. By H. P. Gould, Pomologist, Horticultural and Pomological Investigations, with contributions from others. Pp. 47, figs. 24. Contribution from the Bureau of Plant Industry. (Farmers' Bulletin 1031.)

This bulletin describes the varieties of figs most suitable for the South Atlantic and Gulf States, tells how to grow them and protect them from diseases and insects, and suggests methods of making them into desirable products for the table.

Muscadine Grape Paste. By Charles Dearing, Assistant Horticulturist, Office of Horticultural and Pomological Investigations. Pp. 15. Contribution from the Bureau of Plant Industry. (Farmers' Bulletin 1033.)

Gives directions for securing suitable fruit, the extraction of the pulp, and the sweetening, cooking, drying, and storing of the product, as well as the making of various combinations, fancy pastes, and pastes from other fruits.

Care and Repair of Farm Implements. No. 5. Grain Separators. By Elmer Johnson, Assistant Mechanical Engineer. Pp. 20, figs. 3. Contribution from the Bureau of Public Roads. (Farmers' Bulletin 1036.)

This bulletin gives instructions for overhauling and adjusting separators which will reduce to the minimum the losses and delays from breakdowns during the operating season.

Strawberry Varieties in the United States. By George M. Darrow, Scientific Assistant, Office of Horticultural and Pomological Investigations. 1p. 36, figs. 8. Contribution from the Bureau of Plant Industry. (Farmers' Bulletin 1043.)

This bulletin is intended as an aid to strawberry growers in the selection of varieties best suited to their needs and conditions.

The European Corn Borer, a Menace to the Country's Corn Crop. By D. J. Caffrey, Scientific Assistant, Cereal and Forage Insect Investigations. Pp. 28, figs. 17. Contribution from the Bureau of Entomology. (Farmers' Bulletin 1046.)

Describes the life history and habits of this insect, and suggests methods of control and eradication.

DEPARTMENTAL BULLETINS—TECHNICAL.

The publications listed below are technical or scientific treatises or bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information, as long as the supply lasts. However, to insure prompt receipt, remit price to the Superintendent of Documents.

Digestibility of Certain Miscellaneous Animal Fats. By Arthur D. Holmes, Specialist in Charge of Digestion Experiments, Office of Home Economics. Pp. 25. Contribution from the States Relations Service. (Professional Paper.) Apr. 25, 1919. (Department Bulletin 613.) Price, 5 cents.

Deals with the digestibility of goat's butter, kid fat, hard palate fat, horse fat, oleo oil, oleo stearin, ox-marrow, ox-tail, and turtle fats.

The Avocado in Guatemala. By Wilson Popenoe, Agricultural Explorer, Office of Foreign Seed and Plant Introduction. Pp. 69, pls. 22. Contribution from the Bureau of Plant Industry. Apr. 17, 1919. (Department Bulletin 743.) Price, 30 cents.

Of interest to dealers in and growers of this fruit.

The Sugar-Cane Moth Borer. By T. E. Holloway and U. C. Loftin, Entomological Assistants, Southern Field Crop Insect Investigations, with Technical Descriptions by Carl Heinrich. Pp. 74, pls. 9, figs. 12. Contribution from the Bureau of Entomology. (Professional Paper.) Apr. 18, 1919. (Department Bulletin 746.) Price, 20 cents.

Of interest to growers of sugar cane generally.

Production of Goats on Far Western Ranges. By W. R. Chapline, Grazing Examiner. Pp. 35, pls. 12, figs. 2. Contribution from the Forest Service. (Professional Paper. Apr. 30, 1919. (Department Bulletin 749.) Price, 15 cents.

Describes the proper methods of managing goat herds on western ranges in order to produce profitable returns without damaging timber reproduction.

Experiments on the Digestibility of Wheat Bran in a Diet Without Wheat Flour. By Arthur D. Holmes, Specialist in Charge of Digestion Experiments, Office of Home Economics. Pp. 20. Contribution from the States Relations Service. (Professional Paper.) Apr. 22, 1919. (Department Bulletin 751.) Price, 5 cents.

Results of experiments made to secure data on the digestibility of wheat that will be of value in determining the most economical and physiologically efficient method of utilizing wheat for human food.

The Utilization of Irrigated Field Crops for Hog Pasturing. By F. D. Farrell, formerly Agriculturist in Charge of the Office of Demonstrations on Reclamation Projects. Pp. 37, figs. 6. Contribution from the Bureau of Plant Industry and the Bureau of Animal Industry. Apr. 24, 1919. (Department Bulletin 752.) Price, 10 cents.

Of interest to all farmers on the various irrigation projects.

A Comparison of Concentrates for Fattening Steers in the South. By W. F. Ward and S. S. Jerdan, Animal Husbandry Division, Bureau of Animal Industry, and E. R. Lloyd, Director of Mississippi Experiment Station. Pp. 16. Contribution from the Bureau of Animal Industry. Apr. 7, 1919. (Department Bulletin 761.) Price, 5 cents.

A comparison of the values of different mixtures of cottonseed meal, cake, broken ear and shelled corn for fattening purposes.

Strains of White Burley Tobacco Resistant to Root-Rot. By James Johnson, Agent, and R. H. Milton, Assistant, Office of Tobacco Investigations. Pp. 11, figs. 4. Contribution from the Bureau of Plant Industry. Apr. 18, 1919. (Department Bulletin 765.) Price, 5 cents.

Describes the relation of root-rot to the cropping system, cause of the disease, and experiments in the development of strains resistant to root-rot.

Oak-Leaf Poisoning of Domestic Animals. By C. Dwight Marsh, Physiologist in Charge of Poisonous Plant Investigations, A. B. Clawson, Physiologist, and Hadleigh Marsh, Veterinary Inspector, Bureau of Animal Industry. Pp. 36, figs. 19. Contribution from the Bureau of Animal Industry. (Professional Paper.) Apr. 28, 1919. (Department Bulletin 767.) Price, 10 cents.

Of interest to stock raisers and feeders generally.

Production of Lumber, Lath, and Shingles in 1917. By Franklin H. Smith and Albert H. Pierson, Statisticians in Forest Products. Pp. 44, figs. 2. Contribution from the Forest Service. (Professional Paper.) Apr. 5, 1919. (Department Bulletin 768.) Price, 10 cents.

Life History and Habits of the Mealy Plum Aphis. By W. M. Davidson, Scientific Assistant, Deciduous Fruit Insect Investigations. Pp. 16, pls. 2. Contribution from the Bureau of Entomology. (Professional Paper.) Apr. 28, 1919. (Department Bulletin 774.) Price, 5 cents.

Of interest to growers of plums, prunes, and apricots.

MISCELLANEOUS.

Vanilla: A Promising New Crop for Porto Rico. By T. B. McClelland, Horticulturist. Pp. 32, pls. 3, figs. 4. Apr. 17, 1919. (Bulletin 26, Porto Rico Agricultural Experiment Station.) Price, 5 cents.

A National Lumber and Forest Policy. By Henry S. Graves, Forester, Forest Service. Pp. 14. April, 1919. (Circular 134, Office of the Secretary.) Price, 5 cents.

Address before the American Lumber Congress, Chicago, April 16, 1919.

List of Workers in Subjects Pertaining to Agriculture, Home Economics, and Marketing, 1918-1919. Prepared in the States Relations Service. Pp. 162. Price, — cents.

Not available for free distribution.

Report of the Hawaii Agricultural Experiment Station, 1918. Pp. 55, pls. 11. Price, 10 cents.

Delicious Products of the Dairy. By J. C. McDowell, Bureau of Animal Industry. Pp. 11, il. (Department Circular 26.)

SERIALS.

Journal of Agricultural Research. (For sale only.) Vol. 16, No. 10. Mar. 10, 1919. Contents: Solubility of the Lime, Magnesia, and Potash in Such Minerals as Epidote, Chrysolite, and Muscovite, Especially in Regard to Soil Relationships. (rn H-6.) By R. F. Gardiner.—A Field Study of the Influence of Organic Matter upon the Water-Holding Capacity of a Silt-Loam Soil. (ro Minn.-37.) By Frederick J. Alway and Joseph R. Neller. Pp. 259-278, pl. 1, fig. 2. Price, 10 cents.

Same, Vol. 16, No. 11. Mar. 17, 1919. Contents: Fusarium-Blight of Potatoes Under Irrigation. (rm G-174.) By H. G. MacMillan. Pp. 279-303, pls. 5. Price, 10 cents.

Same, Vol. 16, No. 12. Mar. 24, 1919. Contents: Effect of Certain Grain Rations on the Growth of the White Leghorn Chick. (rp Ky.-8.) By G. Davis Buckner, E. H. Nollau, R. H. Wilkins, and Joseph H. Kastle.—Ammonification of Manure in Soil. (rr N. Y. (Geneva)-5.) By H. J. Conn and J. W. Bright. Pp. 305-350, pl. 1. Price, 10 cents.

Same, Vol. 17, No. 1. Apr. 15, 1919. Contents: Meat Extracts, Their Composition and Identification (rq A-47), by James A. Emery and Robert R. Henley.—Quantity and Composition of Ewes' Milk: Its Relation to the Growth of Lambs (rt Idaho-2), by Ray E. Neidig and E. J. Iddings.—Seed Disinfection by Formaldehyde Vapor (rv O-3), by Cecil C. Thomas. Pp. 39, fig. 1. Price, 10 cents.

NOTE.—Beginning with volume 5 the Journal of Agricultural Research has been issued weekly and is distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. *It will not be sent free to individuals.* The Superintendent of Documents will receive subscriptions for this publication, the price being \$3 per year, 52 numbers.

The Monthly Crop Report. Vol. 5, No. 4. April, 1919. Pp. 37-44. (Bureau of Crop Estimates.)

Contains data relating to agriculture, including estimates of acreage, conditions, yield, prices, and value of crops and live stock. For free distribution.

Experiment Station Record. Vol. 40, No. 1. January, 1919. E. W. Allen, Ph. D., Editor. Pp. 1-100. Price, 15 cents.

Same, Vol. 40, No. 2. February, 1919. Pp. 101-200. Price, 15 cents.

NOTE.—The Record is a technical review of the world's scientific literature pertaining to agriculture. It is not intended for general distribution and its free distribution is restricted to persons connected with the agricultural colleges, experiment stations, and similar institutions, and to libraries and exchanges. It can not be sent free to individuals having no official connection with public institutions. The Superintendent of Documents will receive subscriptions for this publication, which is issued in two volumes a year, 10 numbers each, at \$1 a volume.

SERVICE AND REGULATORY ANNOUNCEMENTS—FOR SALE ONLY.

NOTE.—These contain *only* information, instructions, and notices governing the enforcement of the food and drugs act, meat inspection, 28-hour, and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only*, at prices noted.

Bureau of Animal Industry. No. 143. March, 1919. Pp. 17-29. Apr. 30, 1919. Price, 5 cents.

Bureau of Biological Survey. No. 27. Migratory Bird Treaty, Act, and Regulations. Convention between the United States and Great Britain for the protection of migratory birds in the United States and Canada. Pp. 11. Apr. 22, 1919. Price, 5 cents.

Bureau of Chemistry. Supplement 55. [N. J. 6201-6250.] Pp. 239-291. Apr. 24, 1919. Price, 10 cents.

Bureau of Chemistry. Supplement 56. [N. J. 6251-6300.] Pp. 293-343. Apr. 28, 1919. Price, 10 cents.

Federal Horticultural Board. No. 60. February, 1919. Pp. 17-27. Apr. 7, 1919. Price, 5 cents.

Insecticide and Fungicide Board. No. 24. Pp. 499-531. Apr. 21, 1919. Price, 5 cents.

Bureau of Markets. No. 44. Pp. 124. Apr. 25, 1919. Price, 10 cents.

SOIL SURVEYS.

All requests for soil surveys are referred to the Bureau of Soils for attention, the distribution of same being controlled by that bureau.

Soil Survey of Montgomery County, Iowa. By A. M. O'Neal, jr., of the U. S. Department of Agriculture, and L. L. Rhodes, of the Iowa Agricultural Experiment Station. Pp. 30, fig. 1, map. (From F. O. Soils, 1917.) Price, 15 cents.

Soil Survey of St. Martin Parish, Louisiana. By A. H. Meyer and B. H. Hendrickson. Pp. 32, fig. 1, map. (From F. O. Soils, 1917.) Price, 15 cents.

Soil Survey of Calhoun County, Michigan. By R. F. Rogers and William G. Smith. Pp. 54, figs. 2, map. 1. (From F. O. Soils, 1916.) Price, 15 cents.

Soil Survey of Covington County, Mississippi. By E. Malcolm Jones, of the Mississippi Geological Survey, and A. T. Sweet, of the United States Department of Agriculture. Pp. 40, pls. 2, fig. 1, map. (From F. O. Soils, 1917.) Price, 15 cents.

Soil Survey of Callaway County, Missouri. By H. H. Krusekopf, of the University of Missouri, and J. H. Agee and R. H. Hall, of the U. S. Department of Agriculture. Pp. 38, fig. 1, map. (From F. O. Soils, 1916.) Price, 15 cents.

Soil Survey of Phelps County, Nebraska. By B. W. Tillman, of the U. S. Department of Agriculture, and B. F. Hensel, of the Nebraska Soil Survey. Pp. 42, fig. 1, map. (From F. O. Soils, 1917.) Price, 15 cents.

Soil Survey of Wayne County, Nebraska. By B. W. Tillman, of the U. S. Department of Agriculture, and B. F. Hensel, of the Nebraska Soil Survey. Pp. 50, fig. 1, map. (From F. O. Soils, 1917.) Price, 15 cents.

Soil Survey of Mahoning County, Ohio. By M. W. Beck, of the U. S. Department of Agriculture, and Oliver P. Gossard, of the Ohio Agricultural Experiment Station. Pp. 41, fig. 1, map. (From F. O. Soils, 1917.) Price, 15 cents.

Soil Survey of Clearfield County, Pennsylvania. By R. A. Winston and R. W. McClure, of the U. S. Department of Agriculture, and H. P. Cooper and David C. Wimer, of the Pennsylvania State College. Pp. 32, fig. 1, map. (From F. O. Soils, 1916.) Price, 15 cents.

Soil Survey of Shelby County, Tennessee. By Hugh H. Bennett, Rlnden T. Allen, and L. Vincent Davis, of the United States Department of Agriculture, and C. R. Watkins, jr., of the Tennessee Geological Survey. Pp. 39, pls. 2, fig. 1, map. (From F. O. Soils, 1916.) Price, 15 cents.

SEPARATES.

How Dairying Built Up a Community. By J. C. McDowell, Bureau of Animal Industry. Pp. 18, pls. 4. (Separate 765, Yearbook, 1918.) Price, 5 cents.

The Farmer and Federal Grain Supervision. By Ralph H. Brown, Bureau of Markets. Pp. 15, pls. 4. (Separate 766, Yearbook, 1918.) Price, 5 cents.

Following the Produce Markets. By G. B. Fiske, Bureau of Markets. Pp. 14, fig. 1. (Separate 768, Yearbook, 1918.) Price, 5 cents.

- Electric Light and Power from Small Streams.** By A. M. Daniels, Bureau of Public Roads. Pp. 20, figs. 3. (Separate 770, Yearbook, 1918.) Price, 5 cents.
- The Thrashing Ring in the Corn Belt.** By J. C. Rundles, Office of Farm Management. Pp. 24. (Separate 772, Yearbook, 1918.) Price, 5 cents.
- Live Stock and Reconstruction.** By George M. Rommel, Bureau of Animal Industry. Pp. 16. (Separate 773, Yearbook, 1918.) Price, 5 cents.
- Composition and Food Value of Bottled Soft Drinks.** By J. W. Sale and W. W. Skinner, Bureau of Chemistry. Pp. 10. (Separate 774, Yearbook, 1918.) Price, 5 cents.
- Some Effects of the War Upon the Seed Industry of the United States.** By W. A. Wheeler and G. C. Edler, Bureau of Markets. Pp. 22, figs. 6. (Separate 775, Yearbook, 1918.) Price, 5 cents.
- The Old and the New in Corn Culture.** By H. Howard Biggar, Bureau of Plant Industry. Pp. 16, pls. 4. (Separate 776, Yearbook, 1918.) Price, 5 cents.
- Less Cholera—More Hogs.** By O. B. Hess, Bureau of Animal Industry. Pp. 6, pls. 2. (Separate 777, Yearbook, 1918.) Price, 5 cents.
- Better Poultry Through Community Breeding Associations.** By J. W. Kinghorne, Bureau of Animal Industry. Pp. 8, pls. 4. (Separate 778, Yearbook, 1918.) Price, 5 cents.
- Farm Woodlands and the War.** By Henry S. Graves, Forester, Forest Service. Pp. 12. (Separate 779, Yearbook, 1918.) Price, 5 cents.
- Home Mixing of Fertilizers.** By C. C. Fletcher, Bureau of Soils. Pp. 8, fig. 1. (Separate 780, Yearbook, 1918.) Price, 5 cents.
- The Drainage Movement in the United States.** By S. H. McCrory, Bureau of Public Roads. Pp. 10, pls. 6. (Separate 781, Yearbook, 1918.) Price, 5 cents.
- The Accredited-Herd Plan in Tuberculosis Eradication.** By J. A. Kiernan, Bureau of Animal Industry. Pp. 8, pls. 2. (Separate 782, Yearbook, 1918.) Price, 5 cents.
- Some Results of Federal Quarantine Against Foreign Live-Stock Diseases.** By G. W. Pope, Bureau of Animal Industry. Pp. 10, pls. 2. (Separate 783, Yearbook, 1918.) Price, 5 cents.
- Rabbit Growing to Supplement the Meat Supply.** By Ned Dearborn, Bureau of Biological Survey. Pp. 10, pls. 2, fig. 1. (Separate 784, Yearbook, 1918.) Price, 5 cents.
- Federal Protection of Migratory Birds.** By George A. Lawyer, Bureau of Biological Survey. Pp. 16, pls. 3, figs. 2. (Separate 785, Yearbook, 1918.) Price, 5 cents.
- How Weevils Get Into Beans.** By E. A. Back, Bureau of Entomology. Pp. 10, pls. 3. (Separate 786, Yearbook, 1918.) Price, 5 cents.
- The Rediscovery of an Old Dish.** By Herbert P. Davis, Bureau of Animal Industry. Pp. 10, pl. 1. (Separate 787, Yearbook, 1918.) Price, 5 cents.
- Housing the Worker on the Farm.** By E. B. McCormick, Bureau of Public Roads. Pp. 12, figs. 8. (Separate 789, Yearbook, 1918.) Price, 5 cents.
- Sisal and Henequen as Binder-Twine Fibers.** By H. T. Edwards, Bureau of Plant Industry. Pp. 12, pls. 4. (Separate 790, Yearbook, 1918.) Price, 5 cents.
- Statistics of Grain Crops, 1918.** Pp. 60. (Separate 791, Yearbook, 1918.) Price, 10 cents.
- Statistics of Crops Other Than Grain Crops, 1918.** Pp. 82. (Separate 792, Yearbook, 1918.) Price, — cents.
- Imports and Exports of Agricultural Products.** Pp. 41. (Separate 794, Yearbook, 1918.) Price, 10 cents.

PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Monthly Weather Review. Vol. 47, No. 1. January, 1919. [Apr. 7, 1919.] Pp. 1-64, figs. 22, charts 12. Price, 25 cents per copy, \$2.50 per year. Payable to the Superintendent of Documents.

Special Articles: Work of the Smithsonian Astrophysical Observatory at Calama, Chile. By C. G. Abbot.—Solar variations and terrestrial weather. By C. F. Marvin.—Solar radiation intensities, January, 1919. By H. H. Kimball.—Influence of the solar eclipse of June 8, 1918, upon radiation and other meteorological elements. By H. H. Kimball.—Halo observations, January, 1919. By W. R. Gregg.—Lunar halo and paraselenic circle observed at Colony, Wyo.—Southern California windstorm of Nov. 24-26, 1918. By F. A. Carpenter.—Terrific windstorm on Mount Wilson, Cal., Nov. 24-26, 1918. By W. P. Hoge.—A New airplane altitude record.—Evaporation in the Canal Zone. By H. C. Cornthwaite.—Evaporation compared with vapor pressure deficit and wind velocity. By E. S. Johnston.

National Weather and Crop Bulletin. Nos. 4, 5, 6, April, 1919, reporting temperature, rainfall, and crop conditions throughout the United States. Issued weekly, on Wednesdays, April to October; monthly remainder of year. Price, 25 cents a year.

EDWY B. REID,
Chief, Division of Publications.

WATCH FOR THESE TWO PLANT ENEMIES.

Two plant enemies of a very serious nature have gotten into this country from Europe. They are the European corn borer and the European potato wart disease. At present both apparently are confined to a comparatively limited territory, but every precaution and the utmost care will be necessary to prevent their spread. Unless controlled they may become the most destructive enemies of two of America's greatest food crops. The corn borer now is known to exist only in Massachusetts and New York. It feeds on all parts of the corn plant and has an appetite for many garden and ornamental plants. Its presence is detected by broken tassels and with sawdust-like material at the breaks, and by holes in the stalk surrounded with the same sawdust-like material. The potato wart disease is now confined to a part of Pennsylvania. This disease is noticeable at harvest time, and is characterized by warty, spongy, cauliflower-like growths on the underground portions of the plant. Write to the U. S. Department of Agriculture, Washington, D. C., for information on these plant enemies, and watch for them in new places.